

09-05-09

PATENT APPLICATION DOCKET NO.:43225.60194USPT

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In Re Application of: A. Vogel

Serial No.: 10/001,393

Filed: October 23, 2001

Title: Diene Functionalized Catalyst Supports
And Supported Catalyst Compositions

Unit Art: 1754
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Commissioner for Patents P. O. Box 2327 Arlington, VA 22202

Dear Sir:

#### **CERTIFICATE OF MAILING 37 CFR 1.8**

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Name: Constance Pie

Signature

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This Information Disclosure Statement, including completed Form PTO-1449, comprises a list of potentially relevant art of which applicants are aware of. A copy of each publication listed on Form PTO-1449 is enclosed herewith. The submission of this Information Disclosure Statement and Form PTO-1449 is not an admission that the art cited is "prior" with respect to the present invention, nor is it a representation that no better art exists. Applicants hereby reserve the right to swear behind or otherwise disprove any alleged "prior" nature of any art cited should the facts support and the situation warrant such an action.

Applicant is filing this Information Disclosure Statement under 37 C.F.R. § 1.97(b)(3), i.e., before the mailing date of a first Office Action on the merits. Therefore, no fee is believed to be required.

Houston 244464 v 1, 43225.60194USPT

However, the Commissioner is hereby authorized to charge any deficiency to Deposit Account 10-0447,

Reference 43225.60194USPT(BAI).



Date: 1/30/2002

Jenkens & Gilchrist A Professional Corporation 1100 Louisiana, Ste. 1800 Houston, TX 77002 (713) 951-3387 (713) 951-3314 (fax) Respectfully submitted,

JENKENS & GILCHRIST A Professional Corporation

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J. Benjamin Bai

Reg. No. 43,481

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

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I		Complete if Known		1
I	Application Number	10/001,393	7/	
I	Filing Date	October 23, 2001		ICA.
I	First Named Inventor	A. Vogel	FED	15/1/2
I	Group Art Unit			b , 15 ~
I	Examiner Name		10	2000
I	Atty. Docket Number	43225.60194USP	T J	, "V
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1	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant	

	U.S. PATENT DOCUMENTS						
EVAMBLED	C:v-	U.S. Patent Document	Name of Patentee or Applicant	Date of Publication of	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
EXAMINER INITIAL*	Cite No.1	Number Kind Co (if know		Cited Document MM-DD-YYYY			
	AA	4,543,399	Jenkens III et al.	09-24-1985			
	AB	5,064,802	Stevens et al.	11-12-1991			
~	AC	5,132,380	Stevens et al.	07-21-1992			
	AD	5,153,157	Hlatky et al.	10-06-1992			
	AE	5,189,192	LaPointe et al.	02-23-1993			

				FOREIG	N PATENT DOCUMENTS			
EXAMINER	Cite	F	oreign Patent Docu	ıment	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines Where Relevant	T,
INITIAL*	No.1	Office		Kind Code <sup>5</sup> (if known)		MM-DD-YYYY	Passages or Relevant Figures Appear	
	AF	EP	0 089 691	A2	Union Carbide	09-28-1983		Τ
	AG	EP	0 277 003	A1	Exxon Chemical	08-03-1988		Т
	AH	EP	0 520 732	Al	Dow Chemical	12-30-1992	·	Τ
-	AI	EP	0 824 112	Al	Hoechst	02-18-1998		Т
	AJ	wo	94/25495	A1	Exxon Chemical	11-10-1994		Т
	AK	wo	94/28032	Al	BP Chemicals	12-08-1994		Т

Examiner Initials*	Cite No.1	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS  Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) Date, page(s), volume-issue number(s),	Т
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<sup>&</sup>lt;sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO) Standard St.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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Group Art Unit		Ep.			
Examiner Name	A. Vogel	<b>&gt;</b>			
Atty. Docket Number	43225.60194USPT	10			

	STATEMENT BY APPLICANT			Filing Date	October 23, 2001		
	STATEMENT BY APPLICANT (use as many sheets as necessary)			First Named Inventor			LA.
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Sheet 2 of 4			Examiner Name	A. Vogel	<b>&gt;</b>		
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EXAMINER INITIAL*	Cite No.1	No <sup>.1</sup> Number Kind Code	Kind Code <sup>2</sup> (if known)		Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	
	BA	5,198,401		Turner et al.	03-30-1993		]
	BB	5,296,433		Siedle et al.	03-22-1994		
	BC	5,321,106		LaPointe	06-14-1994		
	BD	5,350,723		Neithamer et al.	09-27-1994		
	BE	5,425,872		Devore et al.	06-20-1995		

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EVAMINED	Cia	F	oreign Patent Do	cument	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines Where Relevant	T,
EXAMINER INITIAL*	Cite No <sup>.1</sup>	Office	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)		MM-DD-YYYY	Passages or Relevant Figures Appear	
	BF	wo	97/43323	A1	Dow Chemical	11-20-1997		Π
	BG	wo	97/44371	Al	Dow Chemical	11-27-1997		П
	ВН	wo	99/15534	A1	Dow Chemical	04-01-1999		$\Box$
	ВІ	wo	99/42467	A1	Dow Chemical	08-26-1999		

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No <sup>.1</sup>	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) Date, page(s), volume-issue number(s),	T²
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EXAMINER INITIAL*	Cite No.1	Number Kind Cod (if know	e <sup>2</sup> of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear
-	CA	5,427,991	Turner	06-27-1995	
	СВ	5,453,410	Kolthammer et al.	09-26-1995	
	СС	5,352,749	DeChellis et al.	10-04-1994	
	CD	5,470,927	Turner et al.	11-28-1995	
	CE	5,470,993	Devore et al.	11-28-1995	
	CF	5,527,929	Timmers et al.	06-18-1996	
	CG	5,721,185	LaPointe et al.	02-24-1998	
	СН	5,883,204	Spencer et al.	03-16-1999	
	CI	5,556,928	Devore et al.	09-17-1996	
	CJ	5,616,664	Timmers et al.	04-01-1997	
	СК	5,624,878	Devore et al.	04-29-1997	
_	CL	5,625,087	Devore et al.	04-29-1997	
	СМ	5,626,087	Lompa	05-06-1997	

			FOREIC	ON PATENT DOCUMENTS	3		1
EXAMINER INITIAL*	G:4-	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines Where Relevant	T
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EXAMINER INITIAL*	Cite No.1	Number	Kind Code <sup>2</sup> (if known)	of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear		
	DA	5,643,847		Walzer, Jr.	07-01-1997			
	DB	5,763,547		Kolthammer et al.	06-09-1998			
	DC	5,783,512		Jacobsen et al.	07-21-1998			
	DD	5,919,983		Rosen et al.	07-06-1999			

FOREIGN PATENT DOCUMENTS										
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